

L. Workcuff  
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Prior Art

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CORRESPONDENCE SECTION  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U97  
4/13

Applicants: Richard J. LA MANNA et al.  
Serial No.: 820,705  
Filed: January 21, 1986  
For: CREDIT CARD EMBOSSING SYSTEM  
Group: 337  
Examiner: E. Eickholt  
Batch: U97

SUPPLEMENTAL PRIOR ART STATEMENT  
PURSUANT TO 37 C.F.R. §1.97-1.98

Honorable Commissioner of  
Patents and Trademarks  
Washington, D. C. 20231

January 28, 1987

Sir:

Submitted herewith are copies of United States Patents 4,213,714 (Jones et al), 4,216,480 (Buehner et al), 4,326,813 (Lomicka, Jr. et al), 4,459,431 (Hiroichi et al), and 4,555,191 (Gojo). This information statement is submitted pursuant to M.P.E.P. §609(4)(c)(2).

The foregoing patents were discovered by the undersigned during the prosecution of another patent application for another client and constitute the references cited by the Examiner in that case. The undersigned had contacted the inventor, Mr. LaManna, to advise him of the existence of these patents and was going to forward copies of the patents to request an analysis of each of the patents for

citation to the United States Patent and Trademark Office when the Notice of Allowance of January 13, 1987, was received.

It is believed that some of the above-identified patents are more relevant to some of the claimed subject matter of the present application than the prior art of record as cited in the Notice of Allowance of January 13, 1987.

United States Patent 4,213,714

Jones et al teach a printer with the capability of printing variable pitch characters along a single line of printing. The printhead 10 is moved in increments  $\Delta D$  which are divisible into the character widths of both of the pitches by an integer.

United States Patent 4,216,480

Buehner et al is believed to only be of interest. Higher speed printing is achieved by lowering the resolution of the ink jet printer. See column 5, lines 63-68, through column 6, lines 1-17.

United States Patent 4,326,813

Lomicka, Jr. et al disclose a printing system for printing variable pitch characters. The variable pitch characters are printed based upon multiples of a unit of carriage motion. See Table 1 in column 8 wherein the number of units of carriage motion for each of the different pitches

is specified in the column headed by TPC. This system further performs printing by activating the individual print rods while the carriage is moving. See column 9, lines 27-30.

United States Patent 4,459,431

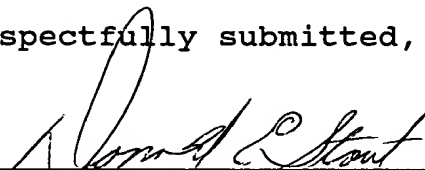
Hiroichi et al teach a system for printing multiple pitch characters. The system is directed to the printing of characters with pitches that do not coincide with multiples of the dot width by an integer.

United States Patent 4,555,191

Gojo is directed to a system for reducing the size of the character font. See column 7, lines 46-56. It is believed that this system is only of interest.

None of the above-referenced patents are directed to the printing of more than one document at a time with characters of multiple pitches.

Respectfully submitted,



Donald E. Stout  
Registration No. 26,422  
ANTONELLI, TERRY & WANDS

Enclosures

(202) 828-0300

DES:dlh